

Cherenkov's Pool

by Arya Akhavan (March 2013)

Angles for R.I. = 1.720

57 + 12 girdles = 69 facets

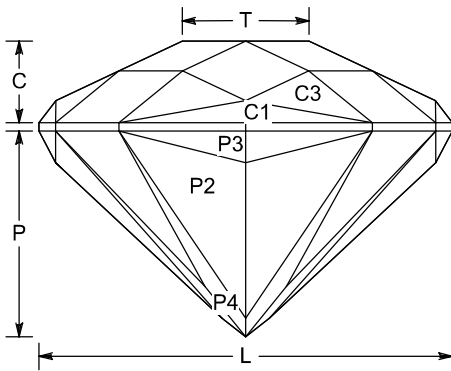
2-fold, mirror-image symmetry

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L/W = 1.000 T/W = 0.307 U/W = 0.307

P/W = 0.496 C/W = 0.197

Vol./W³ = 0.253



PAVILION

P1	43.00°	12-36-60-84	Cut to centerpoint.
P2	43.98°	04-20-28-44- 52-68-76-92	Meet at culet.
G1	90.00°	02-22-26-46- 50-70-74-94	Set stone size.
G2	90.00°	12-36-60-84	Level girdle.
P3	62.41°	02-22-26-46- 50-70-74-94	Level girdle.
P4	42.00°	08-16-32-40- 56-64-80-88	Meet P1, P2, G1, G2, P3

CROWN

C1	52.63°	02-22-26-46- 50-70-74-94	Set girdle width.
C2	30.00°	12-36-60-84	Level girdle.
C3	33.69°	04-20-28-44- 52-68-76-92	Meet G1, G2, C1, C2
C4	25.24°	96-24-48-72	Meet C, C3
C5	18.43°	12-36-60-84	Meet C2, C3, C4
T	0.00°	Table	Meet C4, C5

There's no more beautiful blue glow than swimming in the cooling pool of a nuclear reactor. I, unfortunately, have not had this experience, but I hear it's breathtaking. For some reason, this design reminded me of that same effect. Works in materials from beryl to rutile (RI = 1.58 - 2.62) with no changes, but I prefer blue spinel. Suggested width = 8-12 mm

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